

Title (en)
NANOSTRUCTURED PAINT FOR REDUCING MICROBIAL CORROSION

Title (de)
NANOSTRUKTURIERTER LACK ZUR REDUZIERUNG VON MIKROBIELLER KORROSION

Title (fr)
PEINTURE NANOSTRUCTURÉE POUR RÉDUIRE LA CORROSION MICROBIENNE

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Abstract (en)
The present invention relates to the field of nanotechnology, more particularly to a paint or coating composition that allows microbial corrosion in metal surfaces to be suppressed. The composition comprises a paint base formed by ethylene glycol monobutyl ether and nitrocellulose into which carbon nanotubes have been incorporated. Also disclosed is a method for preparing the paint or coating composition, a method for preventing or eliminating biocorrosion in surfaces exposed to aqueous environments, and lastly, the use of the paint or coating composition.

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